

8-3 Test for Parallelograms

If you are given a figure you need to look at the markings to find out if it is a parallelogram.

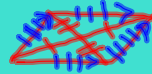
*If both pairs of opposite sides of a quadrilateral are congruent, *then* it is a parallelogram.



*If both pairs of opposite angles of a quadrilateral are congruent, *then* it is a parallelogram.



*If the diagonals of a quadrilateral bisect each other, *then* it is a parallelogram.



*If one pair of opposite sides is both parallel and congruent in a quadrilateral, *then* it is a parallelogram

$\overline{SV} \cong \overline{TV}$

$\triangle SRV \cong \triangle QTV$

$\angle TSR$ is supplementary to $\angle QTS$ and $\angle QRS$
